



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

PATENT APPLICATION

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TECHNOLOGY CENTER 2853

2853
#128
Amatt
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Hayes

In re application of

Docket No: Q63724

Tsuyoshi KITAHARA

Appln. No.: 09/816,770 ✓

Group Art Unit: 2853

Confirmation No.: 4825

Examiner: Lam S. NGUYEN

Filed: March 26, 2001 ✓

For: LIQUID JETTING METHOD AND LIQUID JETTING APPARATUS USING
THE METHOD

AMENDMENT UNDER 37 C.F.R. § 1.111

Commissioner for Patents
Washington, D.C. 20231

Sir:

In response to the Office Action dated July 31, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

sub C1
B

1. (Amended) A method jetting liquid droplets, comprising the steps of:

- providing a liquid jetting head which includes: a plurality of nozzle orifices; a plurality of pressure generation chambers associated with the nozzle orifices; and a plurality of piezoelectric vibrators for respectively varying the volume of the associated pressure generation chamber to jet a liquid droplet from the associated nozzle orifice;
- providing ID data for identifying the respective nozzle orifices;
- providing a reference drive signal which is applied to the piezoelectric vibrator such that a reference liquid droplet having a designated amount is jetted from the nozzle orifice;